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DERWENT-WEEK: 198838

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TITLE: Thermal sensor e.g. for gas flow measurement - uses multiple-spoked wire lattice across circular flow path, for inertialess response

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 1379632 A	March 7, 1988	N/A	003	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
SU 1379632A	N/A	1980SU-2920269	May 5, 1980

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ABSTRACTED-PUB-NO: SU 1379632A

BASIC-ABSTRACT:

Gas passes through the bore of dielectric ring (1) studded with rounded peripheral teeth (2) serving as anchorages for diametral loops of a continuous electrical filament (3), one set on each side of ring (1).

USE/ADVANTAGE - Appts. may be used for measuring flow-rate of cool gases in automatic control systems. The aim is to give fast response. The two continuous wires woven across the ring serve as thermal sensors of the gas flow irrespective of the distribution across the flow path: hence resistive response of the wire nets formed is uniform and without appreciable thermal inertia.  
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CHOSEN-DRAWING: Dwg.1/3

TITLE-TERMS: THERMAL SENSE GAS FLOW MEASURE MULTIPLE SPOKE WIRE LATTICE  
CIRCULAR FLOW PATH INERTIA RESPOND